Tropical Models - Storms - v3
Document Version 1.1

Domain Portfolio: Tropical | Domain: Models | Usage Classification: Standard

Geography: Global **Attribution Required:** NO **Attribution Requirements:** N/A

Overview

Returns a list of storms that are being actively modeled.

- **See the common usage and style guide which describes the common elements, error handling, language support, units and terminology used by the Weather Company Data APIs.**
  - **https://ibm.co/APICom**

HTTP Headers and Data Lifetime - Caching and Expiration

For details on appropriate header values as well as caching and expiration definitions, please see **The Weather Company Data | API Common Usage Guide**.

URL Construction

Request by basin: Required Parameters: basin, format, apiKey https://api.weather.com/v3/tropical/models/storms?**basin=<basin>**&format=json&**apiKey=yourApiKey**
https://api.weather.com/v3/tropical/models/storms?**basin=all**&format=json&**apiKey=yourApiKey**

Valid Parameters

The valid parameter values listed below are unique to this API and are cases sensitive. These parameters support the ability to 'filter' the request by the supported basin.

Parameter: basin	
Valid Parameter Value	Description
all	Data returned for all supported basins (listed below).
AL	Atlantic Ocean
CP	Central Pacific
EP	Eastern Pacific Ocean

Nautical Parameter

If nautical=true, then any measurement that could be represented as knots is, regardless of the units parameter. Anything that is not subject to nautical form is left in the requested units (which is why you see pressures switch back and forth with units even when nautical=true)

units=e&nautical=true will give pressures in inches-of-mercury and speeds in knots
units=m&nautical=true will give pressures in millibars and speeds in knots
units=e&nautical=false will give pressures in inches-of-mercury and speeds in mph
units=m&nautical=false will give pressures in millibars and speeds in kph

Data Elements & Definitions

Note: Field names are sorted alphabetically in the table below for presentation purposes. The table below does not represent the sort order of the API response.

Field Name	Description	Type	Range	Sample	Nulls Allowed
basin	Basin identifier	[string]	AL, CP, EP	["EP"]	No
expireTimeUTC	Suggested removal time, 14 hours past the ingestion time.	[epoch]		[1421175600]	No
lastModelTimeUTC	Time that the last model was run.	[epoch]		[1421175600]	No
linkedStormId	The associated Storm ID assigned to the storm identified from the model.	[string]		["EP012017"]	Yes
processTimeUTC	Time that the bulletin was processed.	[epoch]		[2471984402]	No
source	Issuing Agency	[string]	NHC, other valid sources.	["NHC"]	No
stormId	The Storm ID of this storm.	[string]		["EP902017"]	No

JSON Sample

// Response Collapsed for Presentation Purposes

{
basin:["CP", "CP", "CP", "CP", "CP", "CP", "CP", "CP", "CP", "CP", "CP", "CP", "CP", "CP", "CP", "CP", "CP",…],,
expireTimeUTC:[1489161600, 1489161600, 1489161600, 1489161600, 1489161600, 1489161600, 1489161600, 1489161600,…],
lastModelTimeUTC:[1489111200, 1489111200, 1489111200, 1489111200, 1489111200, 1489111200, 1489111200, 1489111200,…],
linkedStormId:["CP302017", null, null, null, null, null, null, null, null, null, null, null, null, null, null, null,…],
processTimeUTC:[1488986792, 1488986795, 1488986798, 1488986802, 1488986805, 1488986809, 1488986812, 1488986816,…],
source:["NHC", "NHC", "NHC", "NHC", "NHC", "NHC", "NHC", "NHC", "NHC", "NHC", "NHC", "NHC", "NHC", "NHC",…],
stormId:["CP102017", "CP112017", "CP122017", "CP132017", "CP142017", "CP152017", "CP162017", "CP172017",…]
}